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RAW SEQUENCE LISTING

DATE: 11/21/2002

PATENT APPLICATION: US/09/637,530B

TIME: 10:18:41

Input Set : A:\186009US1.txt

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1-1523

3 <110> APPLICANT: STANNERS, Clifford P.
 4 ILANTZIS, Christian
 5 ORDONEZ-GARCIA, Cosme
 6 TAHERI, Maryam
 7 SCREATON, Robert A.
 9 <120> TITLE OF INVENTION: CEA/NCA-BASED DIFFERENTIATION CANCER THERAPY
 11 <130> FILE REFERENCE: 186.009US1
 13 <140> CURRENT APPLICATION NUMBER: 09/637,530B
 14 <141> CURRENT FILING DATE: 2000-08-11
 16 <150> PRIOR APPLICATION NUMBER: CA99/00119
 17 <151> PRIOR FILING DATE: 1999-02-11
 19 <150> PRIOR APPLICATION NUMBER: CA 2,224,129
 20 <151> PRIOR FILING DATE: 1998-02-12
 22 <160> NUMBER OF SEQ ID NOS: 24
 24 <170> SOFTWARE: PatentIn Ver. 2.1
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 58 <212> TYPE: PRT
 59 <213> ORGANISM: Homo sapiens
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76           20           25           30
78 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Ile Gly Tyr
79           35           40           45
81 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
82           50           55           60
84 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln
85   65           70           75           80
87 Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
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90 Asn Glu Glu Ala Thr Gly Gln Phe Arg Val Tyr
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164           20           25           30
166 Trp Tyr Lys Gly Glu Arg Val Asp Gly Gly Tyr Val Ile Gly Thr Gln
167           35           40           45
169 Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg Glu Ile Ile Tyr Pro
170           50           55           60
172 Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln Asn Asp Thr Gly Phe
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192           20           25           30
194 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asp Arg Gln Ile Ile Gly Tyr
195           35           40           45
197 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
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200 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln
201   65           70           75           80
203 Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
204           85           90           95
206 Asn Glu Glu Ala Thr Gly Gln Phe Arg Val Tyr

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220 20 25 30
222 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Lys Ile Gly Tyr
223 35 40 45
225 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
226 50 55 60
228 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln
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231 Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
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245 1 5 10 15
247 Val Leu Leu Leu Val His Asn Leu Pro Gln His Leu Phe Gly Tyr Ser
248 20 25 30
250 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Val Gly Tyr
251 35 40 45
253 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
254 50 55 60
256 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln
257 65 70 75 80
259 Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
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262 Asn Glu Glu Ala Thr Gly Gln Phe Arg Val Tyr
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273 1 5 10 15
275 Val Leu Leu Leu Val His Asn Leu Pro Gln His Leu Phe Gly Tyr Ser
276 20 25 30
278 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Arg Ile Val Gly Tyr

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279          35          40          45
281 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
282          50          55          60
284 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln
285 65          70          75          80
287 Asn Asp Thr Cys Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
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291          100          105
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304          20          25          30
306 Trp Tyr Lys Gly Glu Arg Val Asp Gly Asn Arg Gln Ile Ile Gly Tyr
307          35          40          45
309 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
310          50          55          60
312 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Ala
313 65          70          75          80
315 Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser Asp Leu Val
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332          20          25          30
334 Trp Tyr Lys Cys Glu Arg Val Asp Gly Asn Arg Gln Ile Ile Gly Tyr
335          35          40          45
337 Val Ile Gly Thr Gln Gln Ala Thr Pro Gly Pro Ala Tyr Ser Gly Arg
338          50          55          60
340 Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Arg
341 65          70          75          80
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VERIFICATION SUMMARY

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